



PATIENT

Daira Massanet

SPECIES

Canine

BREED

Min. Schnauzer

SEX

FS

AGE

9 y

WEIGHT

21.6 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Gonzalez

INVOICE

DATE

6/4/26

PRESENTING CLINICAL SIGNS

Suspected syncope. Grade V-VI/VI murmur. Radiographs showed cardiomegaly and a possible abdominal mass. Receiving pimobendan 2.5 mg BID.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is moderate left ventricular dilation. Left ventricular systolic function is mildly hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. TR velocity is consistent with the presence of mild pulmonary hypertension (PG 40 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus arrhythmia

LA - 39.4 mm
LVIDd - 40.9 mm
LVIDs - 22.7 mm
FS - 44.5%
RA - 22.0 mm
LVOT - 1.78 m/s
RVOT - 1.33 m/s
TR - 3.17 m/s

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease - stage B2
Pulmonary hypertension

This examination demonstrates regurgitation of blood across Daira's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Daira has moderate dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. Given these findings, it's possible that Daira's mitral valve disease could be contributing to her syncopal episodes. While no evidence of cardiogenic pulmonary edema is appreciated in Daira's radiographs, she is at moderate risk for its development, therefore, careful monitoring of her respiratory rate/effort is recommended.

Also seen in this exam is the presence of mild pulmonary hypertension, though, as so little tricuspid regurgitation is present, it's possible that Daira's pulmonary hypertension could be underestimated. If only mild disease is truly present, it would be unlikely to be contributing to Daira's syncopal episodes, however, more advanced disease could certainly result in syncope.

Continued use of pimobendan is warranted based on this exam. Should Daira continue to experience syncope, a trial with sildenafil (10 mg BID) may be warranted.

A recheck echocardiogram is recommended in 6 months.



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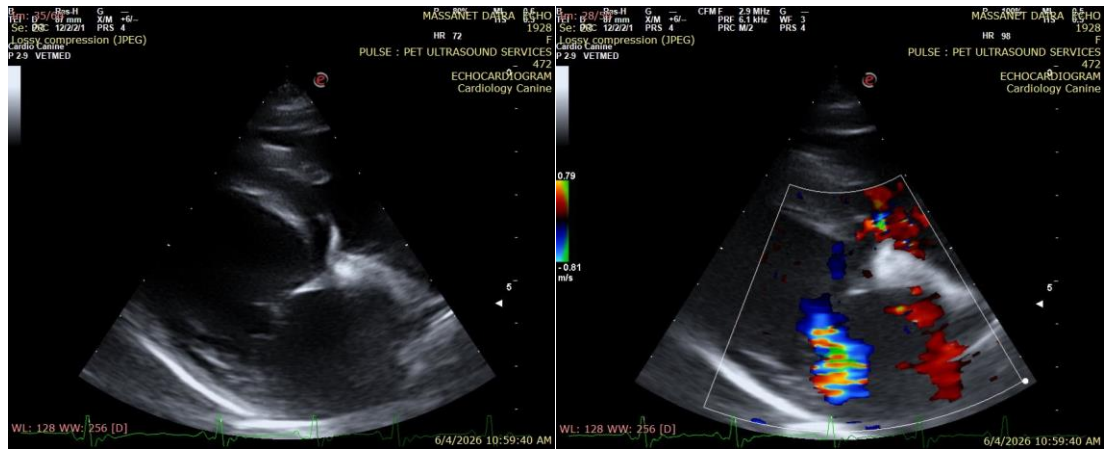
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Keith Blass, DVM, MS, DACVIM (Cardiology) info@SonoPath.com